



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

WM41/0417

LYON & LYON, LLP  
633 WEST 5TH STREET, SUITE 4700  
LOS ANGELES CA 90071-2066

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/846,108	04/25/97	017	APPIAH, C	2682 03/22/01
First Named Applicant	KIM, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION PORTABLE INFORMATION COMMUNICATION DEVICE

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2	455-556.000	D84	UTILITY	YES	\$620.00	06/22/01

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

- I. Review the SMALL ENTITY status shown above.  
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
  - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
  - B. If the status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
  - A. Pay FEE DUE shown above, or
  - B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

PATENT AND TRADEMARK OFFICE COPY

**Notice of Allowability**

Application No.

08/846,108

Examiner

Charles Appiah

Applicant(s)

KIM, KI IL

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to examiner's amendment filed on 3/16/01.
2. ☒ The allowed claim(s) is/are 25, 44, 47, 49, 50, 52-54, 60 and 62-69.
3. ☐ The drawings filed on \_\_\_\_\_ are acceptable as formal drawings.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE FOR SUBMITTING NEW FORMAL DRAWINGS, OR A SUBSTITUTE OATH OR DECLARATION. This three-month period for complying with the REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL is extendable under 37 CFR 1.136(a).**

6. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
7. ☒ Applicant MUST submit NEW FORMAL DRAWINGS
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review( PTO-948) attached
    - 1) ☐ hereto or 2) ☒ to Paper No. 4.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.**

8. ☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any reply to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE / SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

**Attachment(s)**

- |  |   |
|--|---|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                             | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____             |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____               | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|  | 9 <input type="checkbox"/> Other  |

**VIVIAN CHANG**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**

**EXAMINER'S AMENDMENT**

**1 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.**

Authorization for this examiner's amendment was given in a telephone interview with Conrad R. Solum, Jr. (Reg. No. 20,467) on 3/16/01.

**2. The application has been amended as follows:**

**In claim 64:**

Line 1, delete "with" between "telephone" and "information" and insert "having additional"

Line 2, delete "for communicating with the" and insert "with the" between "integral" and "cellular". Insert "by a person" between "use" and "for".

Line 10, delete "sound" between "and" within" and insert "sounds" and insert "means for recording the images and sounds" between "housing," and "and".

Line 15, delete "," after "site" and "the" between "by" and "audio" and insert "an" before "audio".

Line 16, delete "video" between "of" and "and" and replace with "images" and delete "audio information" before "can" and replace with "sounds".

Line 17, insert "means" between "recording" and "or".

Line 18, delete "and conveyance" after "dialing".

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***Allowable Subject Matter***

3. Claims 25, 44, 47, 49-54, 60 and 62-69 allowed.

4. The following is an examiner's statement of reasons for allowance:

With respect to claim 25, the prior art of record (such as Harsch (DE 19806508), Wakabayashi et al. (JP 08294030), Kawazu et al. (JP 406268582), Suso et al. (6,069,648) and Vazvan et al. (WO 96/38762)) discloses multi-functional portable information communication devices such as a multi-functional cellular phone. The prior art, however, fail to specifically disclose a handheld portable information recording and communication device for communicating with remotely located phones that include a camera and a cellular telephone having a microphone which are electrically connected and mounted in a portable housing and further include means for activating the cellular telephone for wirelessly communicating with a specific remotely located telephone by dialing the number of the specific remotely located phone and when the cellular telephone and the specific remotely located telephone are telephonically connected, transmitting images and sounds from the camera and microphone to the specific remotely located telephone concurrently with the capturing of the images and sounds, a memory means in the housing operatively connected to the camera and cellular telephone and battery means for selectively storing images captured by the camera and sounds captured by the microphone, with the memory means including an audio recorder being mounted in the housing and having means for selectively recording audible transmissions during a person-to-person telephone call to and from the cellular


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telephone and for selectively recording sounds within range of the housing without a telephone call and switch means for selectively and separately operating a means for selectively activating the camera, the microphone, the cellular telephone, the memory means and a means for selectively causing the stored images and stored sounds to be transmitted, and the audio recorder as pointed out by Applicant in the amendment filed on 12/26/00.

With respect to claim 44, the prior art of record (such as Harsch (DE 19806508), Wakabayashi et al. (JP 08294030), Kawazu et al. (JP 406268582), Suso et al. (6,069,648) and Vazvan et al. (WO 96/38762)) discloses multi-functional portable information communication devices such as a multi-functional cellular phone. The prior art, however, fail to specifically disclose a handheld portable information recording and communication device for communicating with remotely located phones that include a camera

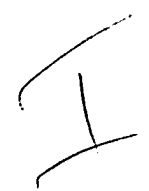
With respect to claim 25, the prior art of record (such as Harsch (DE 19806508), Wakabayashi et al. (JP 08294030), Kawazu et al. (JP 406268582), Suso et al. (6,069,648) and Vazvan et al. (WO 96/38762)) discloses multi-functional portable information communication devices such as a multi-functional cellular phone. The prior art, however, fail to specifically disclose a handheld portable information recording and communication device for communicating with remotely located phones and include a camera and cellular telephone as well as alarm sensor means electrically connected and mounted in a housing with means for selectively arming an alarm sensor means for then automatically operating the means for activating the camera and microphone and activating the cellular telephone when the sensor means detects a sound or movement



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for wirelessly communicating with a specific remotely located telephone by dialing the number of the specific remotely located phone and when the cellular telephone and the specific remotely located telephone are telephonically connected, transmitting images and sounds from the camera and microphone to the specific remotely located telephone concurrently with the capturing of the images and sounds, a memory means in the housing operatively connected to the camera and cellular telephone and battery means for selectively storing images captured by the camera and sounds captured by the microphone, with the memory means including an audio recorder being mounted in the housing and having means for selectively recording audible transmissions during a person-to-person telephone call to and from the cellular telephone and for selectively recording sounds within range of the housing without a telephone call and switch means for selectively and separately operating a means for selectively activating the camera, the microphone, the cellular telephone, the alarm sensor means for selectively arming the alarm sensor means, the memory means and a means for selectively causing the stored images and stored sounds to be transmitted, and the audio recorder as pointed out by Applicant in the amendment filed on 12/26/00.

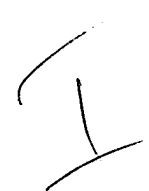
With respect to claim 54, the prior art of record fail to specifically disclose a handheld portable information recording and communication device with remotely located telephones that include a digital camera and cellular telephone as well as alarm sensor means all mounted in a portable housing, a switch means on the housing for selectively arming the alarm sensor means, means for automatically activating the cellular telephone when the sensor means is armed and detects a sound or movement



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for wirelessly communicating with a specific remotely located telephone by dialing the number of the specific remotely located telephone, the switch means also operable for manually activating the digital camera without activating the cellular telephone, a digital memory means including an audio recorder mounted in the housing and having means for selectively recording audible transmissions during person-to-person telephone calls to and from the cellular telephone and for selectively recording sounds within a range of the housing without a telephone call, a radio means mounted in the housing and having controls for selective operation of the radio means and a jack connection for directly connecting the digital memory means of the device to a television for reproducing or a computer for downloading the recorded images and the recorded sounds from the digital memory means.

With respect to claim 64, the prior art of record fail to teach or fairly suggest a handheld portable cellular telephone having additional information, video and audio capabilities integral with the cellular telephone which is normally for ordinary use by a person for ordinary calls and include a camera, a microphone and an ordinary cellular telephone electrically connected and mounted in the same and a conventional housing, means for selectively activating the camera and the microphone for capturing images and sounds within a range of the housing, means for recording the images and sounds, and means for activating the cellular telephone for wireless communicating with a specific remotely located telephone at a remote site by dialing the number of the specific remotely located telephone in response to a person's command or pre-selected automatic sensing means and when the cellular telephone and the remote site are



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telephonically connected, the stored or current images and sounds from the camera and the microphone are transmitted to the connected remote site by an audio means of the ordinary cellular telephone via encoded data means of a modem, and the recording of images and sounds can be either from automatic sensing means activating the recording means or from the person's commands, and the recordings are conveyed either by the person's selected dialing or pre-selected automatic dialing.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Vazvan et al. (WO 96/38762) discloses a multi-functional portable electronic device

Semasa et al. (5,063,587) discloses a still-picture TV telephone.

Suso et al. (6,069,648) discloses an information communication device.

Kawazu et al. (JP 06268582) and Wakabayashi et al. (JP 08294030) teach an integrated still video camera and a cellular telephone.

Harsch (DE 19806508) discloses a hand-held mobile video telephone for audio or combined audio and visual communications.





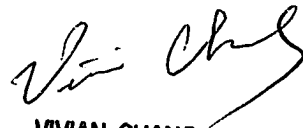
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6. . Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Appiah whose telephone number is 703 305-4772. The examiner can normally be reached on M-F 7:30AM-5: 00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chang can be reached on 703 308-6739. The fax phone numbers for the organization where this application or proceeding is assigned are 703 308-6306 for regular communications and 703 308-6296 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 305-4700.

CA  
Charles Appiah  
March 16, 2001

  
VIVIAN CHANG  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

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